



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-2457 FAX (603) 271-7894



April 2, 2002  
Letter of Deficiency  
DAM #084.03

Mr. Richard Bullock  
Box 336  
Princeton, MA 01541

RE: Scott Pond Dam, Fitzwilliam

Dear Mr. Bullock:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on July 5, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

- There was a depression in the left earth embankment approximately 10 feet from the left most stoplog bay;
2. There was debris (beaver) both upstream and downstream of the far left low-level stoplog bay;
  3. There was a large quantity of debris (beaver) immediately downstream of the overflow spillway and far right stoplog bays impeding flow through the downstream channel;
  4. A large clump of beaver debris was observed within the far right stoplog bay outlet channel impeding flow through the outlet;
  5. A channel has eroded through the right earthen embankment immediately adjacent to the right abutment of the spillway. The channel was approximately 1.5-feet deep and 2-feet wide with flowing water on this date. It should be noted that the right abutment of the spillway is lined with large stone/boulders and the trench is on the right side of this stone/boulders;
  6. A previous tree removal program along the right earth embankment, both upstream and downstream, has minimal re-growth. Additionally, small trees were observed growing on the downstream embankments both left and right and within 10 feet of the toe of the embankments and stone spillway;
  7. Inspection of the toe of the dam and spillway could not be conducted on this date due to the quantity of debris at the toe of the dam, the water flowing over the entire length of the spillway, and the debris downstream backing water up to the toe of the dam; and
  8. The hydraulic analysis also indicated that during the 50-year, 24-hour storm event, there would be 0.3 feet of freeboard remaining to the top of the dam at the peak of the storm.

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If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

**COPY**

Dale F. Guinn, P.E.  
Dam Safety Engineer

Attachments DB8, DB13

cc: Gretchen Rule ✓  
Town of Fitzwilliam

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